

CURRICULUM VITAE (C.V.)



Name and full correspondence address: **Dr. Sharda Rajendra Gadale**
Former Name: **Dr. Sharda Prabhakar Dagade**
Department of Chemistry,
Yashwantrao Mohite College,
Paud Road, Kothrud, Pune 411038

Email(s) and contact number : **dagade@rediffmail.com**, 9860382361

Educational Qualifications : **M. Sc (Organic Chemistry), Ph. D**

Ph.D thesis title: Nitration of Aromatics over Solid Acid Catalysts
Guide's Name: Dr. M. K. Dongare
Institute/Organization work done : CSIR-National Chemical Laboratory,
Pashan, Pune 411008

Teaching Experience:

A] Under-Graduate Level : 14years
B] Post-Graduate Level : 14years

Awards and Honours:

- Chairman, Board of Studies from 2011-2013, currently member of BOS in Chemistry
- Research Guide, since 2010 of BVDU, Pune
- Received best poster award for the paper presented in International Conference at Jath College.
- **Received** UGC grants **Rs. 14,12,577/-** for Major Research Project entitled 'Synthesis and characterization of solid acid catalysts based on supported nano-crystalline ceria and molybdenum / silica oxides and study their catalytic activity.'. (2011-2014)

- Life Member, Indian Science Congress Society, Calcutta
- Life Member, Society for Materials Chemistry

Editorial Board member of International Journals:

- Member, Editorial Board, Asian Journal of Applied Science and Technology (ISSN 2456-883X) (<http://www.ajast.net>)
- Reviewer, for Oriental Journal of Chemistry
- Reviewer, for Bentham Science Journal
- Reviewer, for Chemical Science Transactions

✚ Worked as Organizing Secretary for National Workshop in Analytical Training in Instrumentation held on 22nd Feb.2020.

✚ Coordinator for DST-FIST -2017 For Five year program.

RESEARCH EXPERIENCE:

i) Ph. Ds successfully completed under the supervision and guidance:

Sr.	Name of the scholar	Topic of the research	Date of Declaration
1.	Mr. Mahind Lalaso Hari	Comparative study of physico-chemical properties, catalytic and microbial study of metal salen complexes	02/06/2014
2.	Mr. Mane Vinod Bhanudas	Solid acid catalysts based on supported Nano-crystalline Ceria	28/11/2016
3.	Ms. Deshmukh Jaymala Mohan	Synthesis, Characterisation and Catalytic Activity of Molybdenum based Mixed Oxide Catalysts	11/06/2019
4.	Mrs. Amal A. Muftah (Libya)	Synthesis, Characterization of Mixed Oxides and Study Their Catalytic Activity with Green and Sustainable Approach	4/10/2019

ii) Ph. D. Scholars registered for supervision and guidance:

Sr.	Name of the scholar	Topic of the research
1.	Vanita R. Rokade	Nanocomposites: synthesis, characterization and their catalytic and biological activity
2.	Rameja Sayyad	Organic transformation of various industrially important molecules
3.		

Publications :

SR. No	Author(s)	Title	Name of Journal	Vol.	Page	Year
1.	Waghmode Shobha, Agrawal Apoorv, Gadale Sharda and Garg Shankar	Review Paper: Covid 19: Indian Scenario with New Non-Natural Risk	Research Journal of Chemistry and Environment	24(5)	152-157	May 2020
2.	Jayamala M. Deshmukh and Sharda P. Dagade	Study of structural and catalytic properties of copper supported mixed oxide catalysts	International Journal of Current Advanced Research	7(6)	1323-13235	June 2018
3.	Jayamala M. Deshmukh and Sharda P. Dagade	Recyclable Nanocrystalline Copper Based on MoO ₃ /SiO ₂ as an Efficient Catalyst for Acylation of Amines	Bulletin of Chemical Reaction Engineering & Catalysis, 14 (1) 2019, 93-104	14(1)	93-104	2019
4.	Amal A. Muftah and Sharda P. Dagade	Eco-friendly solid acidic oxides as substitutional to sulfuric acid in the liquid phase nitration of toluene	International Journal of Innovative Knowledge Concepts, 7(1), 2019	7(1)	1-8	Jan 2019
5.	Amal A. Muftah and Sharda P. Dagade	Liquid phase O-methylation of phenol using K doped ZrO ₂ /MoO ₃	Research Journal of Chemistry and Environment ISSN: 2278 - 4527	23(2)	31-38	Feb. 2019
6.	Jayamala M. Deshmukh and Sharda P. Dagade	Green Oxidation Of Cyclohexene In Ultrasonic Irradiation Over Copper Supported Mixed Oxide Catalyst	Research Journal of Pharmaceutical, Biological and Chemical Sciences	9(3)	521-530	2018
7.	Heena Meroliya, Vaishal Patil, Nilesh Jadhav, Vikram	Lipase mediated silver nanoparticles as a robust catalysts for VLPC	The Pharma Innovation Journal	7(1)	205-207	2018

	Deshmukh, Vidya Kalyankar, Sharda Dagade and Shobha Waghmode	assisted trans-esterification reaction				
8.	Jayamala M. Deshmukh, L.H. Mahind, Shobha A Waghmode and Sharda P. Dagade*	Study of catalytic activity silica supported Schiff base complexes	Asian Journal of Chemistry, 0970-7077	29(7)	1455 - 1458	May2017
9.	Pawar S, Kalyankar V, Dhamangaonkar B, Dagade Sharda, Waghmode S,A.Cukkemane	Biochemical profiling of antifungal activity of betel leaf (Piper betle L.) extract and its significance in traditional medicine	Journal of Advanced Research in Biotechnology (J Adv Res Biotech) 2475-4714	2(1)	1-4	2017
10.	Bhide Gauri, Kalyankar Vidya, Dagade Sharda and Waghmode Shobha	Synthesis and Characterization of Ag/AgO nanoparticles as alcohol sensor	Research Journal of Chemistry and Environment ISSN: 2278 - 4527	20 (10)	1-5	October 2016
11.	Vinod B. Mane, Jayamala M. Deshmukh, Shobha A Waghmode and Sharda P. Dagade*	Surface Characterization and Catalytic Activity of CobaltPromoted MoO ₃ /SiO ₂ Solid Acid Catalysts	International Journal of ChemTech Research	8(8),	310-317	2015
12.	V. B. Mane and S. P. Dagade*	Fridel-Crafts benzylation over transition metal oxides supported on ceria	Der Pharma Chemica	7(8)	94-101	2015
13.	J. M. Deshmukh, K. J. Devkar, S. S. Mane, S. J. Sutar, V. B. Mane, S. A. Waghmode, S. P.	One-pot synthesis of benzimidazole derivatives by using solid acid catalysts at room temperature	Bionano frontiers, ISSN:0974-0678	8(3)	27-28	2015

	Dagade*					
14.	S. P. Dagade et al	Comparative Study of 1, 2-Naphthoquinone oximes and their Cu (II) metal chelates	Asian Journal of Multidisciplinary Studies	3(12),	27-31	2015
15.	S. P. Dagade et al	Antimicrobial activity of Mg metal chelates of 1,2-Naphthoquinone oxime derivatives	Asian Journal of Multidisciplinary Studies	4(3),	35-38	2016
16.	SiddhipradaShete, ShriyaShende, Ketaki Bhagwat, ShardaDagade , Neelima Deshpande and ShobhaWaghmode	Green synthesis of silver chloride nanoparticles by using <i>rosamacdubpetal</i> extract	International Journal of Biosciences and Nanosciences ISSN: 2349-5251	1 (5),	96-99.	2014
17.	Kalyankar V. K., Dagade S.P and Waghmode S. A	Biosynthesis of Silver nanoparticles using isolated superoxide dismutase enzyme from novel source <i>Papaverumsomniferum L.</i>	Research Journal of Chemistry and Environment ISSN: 2278 - 4527	19 (3),	44-48	2015
18.	OmkarPawar, Neelima Deshpande, ShardaDagade , ShobhaWaghmode&Preeti Nigam Joshi	Green synthesis of silver nanoparticles from purple acid phosphatase apoenzyme isolated from a new source <i>Limoniaacidissima</i>	J of Expt. Nanoscience.	10,	738	2015
19.	S. P. Dagade , V. B. Mane and K. D. Jadhav	Hydroamination of Phenyl acetylene catalyzed by Cu/Mo/SiO ₂ mixed oxide catalysts	Indian Patent Office Journal			2015

20.	V.B. Mane, S. P. Chavan, R. J. Sayyad, J. M. Deshmukh, S. A. Waghmode &S. P. Dagade*	Liquid phase oxidation of benzhydrol by using nano crystalline iron supported on ceria mixed oxide catalysts	Res. J. Pharm., Biol. Chem. Sci.	5(5)	-	2014
21.	Sharda P. Dagade*, V.B. Mane, Mahind Lalaso, S.A. Waghmode, K. D. Jadhav, M. K. Dongare	Nitration of Benzene Using Mixed Oxide Catalysts	IOSR Journal of Applied Chemistry	7(7)	50-57	2014
22.	S. P. Dagade et al	Peroxidase activity using silver nanoparticles using green approach	Bionano frontiers, ISSN:0974-0678	6(8)	66-69	2013
23.	V. B. Mane, L. H. Mahind, K. D. Jadhav, S. A. Waghmode and S. P. Dagade	Structural Characterization of Nanosized Fe ₂ O ₃ -CeO ₂ catalysts by XRD, EDX and TEM Techniques	Carbon – Science and Technology (Applied Science Innovations Pvt. Ltd., India)	5/2	260 - 264	2013
24.	Shobha Waghmode, Pooja Chavan, Vidya Kalyankar, and Sharda Dagade	Synthesis of Silver Nanoparticles Using <i>Triticumaestivum</i> and Its Effect on Peroxide Catalytic Activity and Toxicology	Journal of Chemistry, (Hindawi Publishing Corporation)	2013, ID 265864	5	2013
25.	SatishIngale, Rajendra Kankariya, V. V. Dhapte, A. B. Pawar, V. B. Jadhav, S. P. Dagade	Comparative Study of Physico-Chemical Properties of 17% Root Canal Lubricant: Self Developed vs. Commercially Available	International Journal of Pharmaceutical Sciences Review and Research	21(2), 34	186-188	2013
26.	S. P. Dagade, V. B. Mane, A. A. Jape, S. A.	Synthesis, Characterization and Antimicrobial Study	International Journal of Chemical and	3(12)	1672 - 1674	2012

	Waghmode, V.V. Dhapte, L. H. Mahind	of Cr (III), Mn(II), Y(III) and Zr(IV) Schiff Base Complexes.	Analytical Science,			
27.	L. H. Mahind, S.AWaghmode, AvinashNawale, V. B. Mane and S. P. Dagade	Evaluation of Antimicrobial Activities of Zirconium (IV) Complex	IOSR Journal of Pharmacy and Biological Sciences,	5(4)	102- 105.	2013
28.	Dagade, S.P. ; Jape, A.A.	Synthesis characterization, Antimicrobial and catalytic activity of Fe(II), Ni (II), Cu(II) and Co(II) Schiff base complexes	Intl. J. Chem. Sc.,	8(4)	2655 - 2660	2010
29.	S.B. Umbarkar, A.V. Birader, S. M. Mathew, K. M. Malshe, P.T. Patil Sharda P. Dagade , and M. K. Dongare,	Vapor phase nitration of benzene using mesoporous MoO ₃ /SiO ₂ solid acid catalysts	Green Chemistry	8 (5)	488- 493	2006
30.	Rajesh K. Pandey, ShardaD agade , KusumMa lase, SachinSongi re, Pradeep Kumar	Synthesis of ceria- yttria based strong Lewis acid heterogeneous catalyst: Application for chemoselective acylation and ene reaction	J. Mol. Catal. A: Chemical	245, (1-2)	255- 259,	2006
31.	P. T. Patil, K. M. Malshe, Sharda P. Dagade & M. K. Dongare	Regioselective nitration of o-xylene to 4-nitro o-xylene using nitric acid over solid acid catalysts,	Catalysis Commun.,	4(8)	429- 434	2003
32.	R. K. Pandey, S. P. Dagade , M. K. Dongare and Pradeep Kumar	Synthesis of carbamates using yttria/zirconia based Lewis acid catalyst	Synth. Commun.	33,	4019	2003
33.	Sharda P.	Vapor phase nitration	Applied	226	49-	2002

	Dagade, S. B. Waghmode, V. S. Kadam and M. K. Dongare,	of toluene using dilute nitric acid and molecular modeling studies over beta zeolite,	Catalysis A: General,		61	
34.	Sharda P. Dagade, V. S. Kadam and M. K. Dongare,	Regioselective nitration of phenol over solid acid catalysts,	Catalysis Commun.	3	67-70	2002
35.	R. K. Pandey, M. K. Dongare, Pradeep Kumar, M. Bodas & Sharda P. Dagade	Acylation of alcohols, thiols and amines with carboxylic acids catalyzed by yttria-zirconia based Lewis acid,	J. Mol. Catal. A,	181	207-213	2002
36.	R. K. Pandey, Sharda Dagade, R. K. Upadhyay, M. K. Dongare and Pradeep Kumar	A facile procedure for <i>tert</i> -butoxycarbonylation of amines promoted by yttria-zirconia based strong Lewis acid catalyst	ARKIVOC,	(viii)	28-33	2002

Patents List:

1.	Process for the preparation of dihydroxydiphenylmethane. A. P. Singh and Sharda P. Dagade US Patent No. 6, 492, 566 , Dec. 2002.
2.	Hydroamination of Phenyl acetylene catalyzed by Cu/Mo/SiO ₂ mixed oxide catalysts S.P. Dagade , V.B. Mane and K.D. Jadhav, Indian patent application no. 2012/MUM/2014
3.	Synthesis of lipase mediated metal nanoparticles as selective destaining detergents S. A. Waghmode, S. P. Dagade , V. K. Kalyankar Indian patent application no. 201721019044, 31/05/2017

14. Papers Presented in the International/National Conferences:

Sr	Theme of the Conference	Title of Research Paper	Location	Date
1.	International Conference on "Emerging Trends in Delivery of Phytoconstituents and Ethnopharmacology - Validation of Traditional Medicine –II"	Study of Biological Applications in Core-Shell Nanoparticles	Poona college of Pharmacy, BVDU, Pune	29-30th November 2019.
2.	National Conference on Advances in chemical sciences (NCACS 2020).	Study of catalytic and antimicrobial activity of sol-gel synthesized lanthanum doped on molybdenum oxide	Yashwantrao Chavan College of Science, Karad	8 th Jan. 2020
3.	5 th Indo-French Bilateral symposium on functional materials for sustainable catalytic and related applications (MATSUCAT-2019)	Attended	NCL, Pune	Feb. 26-March 1, 2019
4.	International Conference on SMART	Synthesis and Characterization of Nanocomposites by using sol-gel method for catalytic applications	Baburao Gholap College, Sangvi, Pune	5-6 Feb 2019
5.	International Conference on Polymer science and technology,	Polymer supported Core Shell Nanoparticles as catalysts	IISER and CSIR-NCL, Pune	19-22 Dec. 2018
6.	International Conference on Frontiers in Life and Earth Science (FLES 2018)	Nanocrystalline zirconia as efficient catalysts for one pot synthesis of substituted pyrazoles	Prof. Ramkrishna More Arts, Commerce and Science College, Akurdi, Pune	18-19 January 2018
7.	International Conference on Nanostructured Materials in Polymers and Pharmaceutical Sciences	Synthesis of antimicrobial drug, tinidazole by using nanocrystalline material	BVDU, Poona College of Pharmacy, Erandwane, Pune	19-20 December 2017
8.	International Conference on Nanotechnology for Human Welfare (ICNHW-2018)	Comparative study of microbial Inhibition activity between bimetallic nanoparticles and standard antibiotics	H.V. Desai College, Pune	1-3 February 2018
9.	International conference on advances in material	Natural cellulosic fiber as a humidity sensor” in	Raje Ramrao Mahavidyalaya, Jath,	7-8 December

	science	International Conference (ICAMS) Jath.	Dist. Sangali	2016
10.	Recent Trends in physical, Chemical and Biosciences	Cu-Ni bimetallic nano particle catalysed Heck Coupling	Vidya Pratishthan's Arts, Science and commerce college, Baramati, Dist. Pune	16 th & 17 th Dec. 2016
11.	3 rd International Conference on Herbal and Synthetic Drug Studies (HSDS-2016), Pune,.	Synthesis, Characterization and antimicrobial activities of 1, 2-Naphthoquinone oxime and their metal chelates	Azam Campus, Pune	Jan 7-9, 2016
12.	ICAAM 2016" with theme " Asian Medicine : Global Health" on Advances in Asian Medicine	Synthesis, Characterization and antimicrobial activities of 1,2-Naphthoquinone oximes and their metal chelates	BVU, Poona College of Pharmacy and Society for Ethnopharmacology, India, Place- Orchid Hotel, Pune	4 th January 2016
13.	Interface between colleges and industry with reference to synthetic organic chemistry and spectroscopy	Tagging of 2-amino 1,4-naphthoquinone with silver nanoparticles using green approach and its biological assay	R. B. Narayanrao Borawake College, Shirampur	15 th & 16 th Jan. 2016
14.	International Conference on contemporary research in chemical and life sciences	One-pot synthesis of benzimidazole derivatives by using solid acid catalysts at room temperature	SGM college, Karad, Satara	22 nd and 23 rd April 2015
15.	2 nd International symposium on physics and technology of sensors	Humidity sensor of size modified cellulosic natural fiber.	C-Met, Pune	8 th -10 th March 2015
16.	International Conference on Structural and Inorganic Chemistry	Synthesis, characterization and catalytic activity of Nano crystalline Co/CeO ₂ mixed oxide catalyst	CSIR-NCL, Pune	December 04-05, 2014,
17.	International conference on current trends in medicinal plant research	Synthesis characterization, Antimicrobial study & catalytic activity Cr(II), Mn(II), Y(III) & Zr (II) Schiff Base Complexes	University of Pune, Department of Botany	10-12 Jan 2012
18.	National seminar on new challenges in chemistry	Comparative study of synthesis,	BVDU, Y.M	13-14

	& Nanoscience	characterizations, antimicrobial study of Ti(IV) & Zr(IV) Schiff base complexes	.College Pune	Feb2012
19.	II nd International conference on Trends in chemical science going beyond Frontiers	Synthesis, characterization & antimicrobial study of Cr (III) & Mo (III) Schiff base complexes	Malaysia	10-12 June 2012
20.	“Nanocon 012”, II nd International Conference on nanotechnology – Innovative Materials, Processes, Products and Applications,	Structural Characterization of Nanosized Fe ₂ O ₃ -CeO ₂ Catalysts by XRD, EDX, and TEM Techniques	Bharati Vidyapeeth Deemed University, Pune in association with TUSKEGEE University USA, JSNN USA, C-MET India.	18 th -19 th Oct. 2012
21.	2 nd International Conference on Herbal and Synthetic Drug Studies, (HSDS-2014)	Synthesis and Antimicrobial Activity of Zr (IV) And Cr (VI) Schiff Base Complexes	Azam Campus, Pune	10 th to 12 th Feb. 2014
22.	International workshop on Nanotechnology and Advanced Functional Materials (NTAFM 2013)	Surface Characterization of Nano crystalline Co/CeO ₂ Solid Acid Catalysts by XRD and Other Techniques	NCL, Pune	July 24-25, 2013
23.	National Conference on Emerging Trends in Lasers and Advanced Materials	Peroxidase activity using silver nanoparticles using green approach	Garware College, Pune	28-29 th Oct. 2013
24.	National Conference on “New Developments in Chemistry”	Synthesis, Characterization, Antimicrobial and Catalytic activity of Fe(II), Ni(II), Cu(II) and Co(II) Schiff base complexes	BJS College Arts, Science & Commerce, Wagholi, Pune.	4 th -6 th Feb. 2010

15. Papers abstracted in the International Conferences

Sr	Name of the Author	Theme of the Conference	Title of Research Paper	Location	Date
1.	Dr. Mrs. Sharda P. Dagade	99 th Indian Science congress	Vapour phase nitration of benzene using solid acid	KIIT University Bhubanaeshwar	3-7 Jan 2012

			catalysts		
2.	Dr. Mrs. Sharda P. Dagade	17 th International conference on expanding Horizons in chemical & biological science Innovation cross road (ISCBC-2012)	Comparative study of synthesis of characterization ,antimicrobial study of Ti(IV), Zr(IV), &Hf(IV) Schiff base complexes	Solapur university, Solapur	21-24 Jan 2012
3.	Dr. Mrs. Sharda P. Dagade	VI th International Symposium, Nanobio Materials Synthesis And Characterization (ISBN: 978-93-82563-36-5) published	Surface characterization of cobalt promoted MoO ₃ /SiO ₂ solid acid catalysts by XRD and other techniques	MAM-2012 at Coimbatore. India.	21 st -25 th Nov. 2012.
4.	Dr. Mrs. Sharda P. Dagade	II nd International Conference on Emerging trends in Chemical Sciences,	Synthesis and Characterization of Schiff Base Complexes.	Solapur university , Solapur	2 nd -4 th Nov. 2012
5.	Dr. Mrs. Sharda P. Dagade	National Conference on Chemistry of Chalcogens (NC ³ -2013)	Efficient Oxidation Catalysis by Model Complex of Super Oxide Dismutase	Defence Institute of Advanced Technology (DIAT),Pune	14-15 January 2013

Special Academic Contribution:

- Coordinator** of UGC sponsored National Conference on ‘New Challenges in Chemistry and Nano Sciences’. (13-14 February, 2012).
- Coordinator** of UGC sponsored National Conference on ‘Recent Trends in Chemical and Material Sciences’. (12-13 January 2013).
- Coordinator** of UGC sponsored One day National Workshop in Analytical Chemistry. (17th September 2013).
- Guided** more than 50 research projects of M.Sc. Analytical and Organic Chemistry Programme since 2006
- Editor**, Abstract Book entitled ‘New Challenges in Chemistry and Nano Sciences’ published on 13th February, 2012.

- f. **Convenor**, Ladies Association of Yashwantrao Mohite College (LAY), Pune.
(Since 2011-2018).
- g. Worked as Expert at Pre Ph.D presentation at Pune University.

ORIENTATION / REFRESHER COURSE ATTENDED:

Name	Duration	Sponsoring Agency
Orientation Course	04/01/2011 to 31/01/2011	Academic Staff college, University of Pune, Pune
Refresher Course	1/10/2015 to 21/10/2015	Academic Staff college, University of Pune, Pune
Refresher Course	1/11/2016 to 21/11/2016	Academic Staff college, University of Pune, Pune
FDP	18/6/2018 to 24/6/2018	Academic Staff college, University of Pune, Pune Organized by H.V Desai College, Pune
Online refresher course(MOOC's)		Swayam portal
FDP		